

Professional Computer Centre

Hello, Calgary
MEET LISA
The revolutionary personal computer
for the office.

THE APPLE LISA

BUYER'S GUIDE

took over 300 person-years to develop. And so simple, you can learn to use it in 30 minutes.
And Lisa is now available for immediate delivery at a special introductory price. As little as \$387.00 per month.
Meet Lisa today. Drop by for your personal introduction or call to reserve your place in one of our Lisa Executive Seminars.

You must see Lisa™ for yourself!
Lisa is a revolutionary breakthrough in personal business computers...the standard against which all others will be measured.
Lisa is so powerful, it lets you control many major business functions at one time. Like project scheduling, budget planning, file management, presentation graphics or word processing. So advanced, its software alone

OPEN MONDAY - FRIDAY 9 a.m. - 5 p.m.

Professional Computer Centre



...all you need to know about computers.
Telephone: 249-7768
in Calgary Centre 325 - 7 Avenue S.W.
Directly across from the old courthouse.



Professional Computer Centre

Hello, Calgary

MEET LISA

The revolutionary personal computer
for the office.



Special introductory offer includes: Hardware - 1 MG of internal memory, Dual 860-K disk drives, 5 MG ProFile hard disk, 32/16-bit MC 68000 processor, plus Apple Printer and interface. Software - LisaCalc, LisaDraw, LisaWrite, LisaList, LisaGraph and LisaProject. Introductory price \$11,995.00. Lease for as little as \$387.00 per month.

Lisa™

You must see Lisa™ for yourself!

Lisa is a revolutionary breakthrough in personal business computers...the standard against which all others will be measured.

Lisa is so powerful, it lets you control many major business functions at one time. Like project scheduling, budget planning, list management, presentation graphics or word processing. So advanced, its software alone

took over 200 person-years to develop. And so simple, you can learn to use it in 20 minutes.

And Lisa is now available for immediate delivery at a special introductory price. As little as \$387.00 per month.

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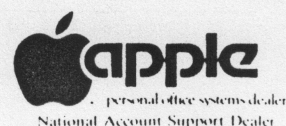


...all you need to know about computers.

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Specifications

Display:

- 12 inch screen (measured diagonally).
- Full-screen bit-mapped display
 - 364 lines by 720 dots.
 - up to 40 lines of 132 characters.
- 60 Hz refresh rate.
- Contrast level under software control.
- Contrast-enhancing screen.

Keyboard:

- Detached, standard typewriter-style.
- N-key rollover.
- Sculptured keytops
 - textured, nonslip, nonglare.
- Numerical keypad with raised dot on 5 key.
- Full ASCII character set, up to 77 keys.
- All keys programmable.
- Smart interface with control-oriented processor.

Mouse:

- Extremely fast, intuitive cursor positioning.
- Works well on any surface.
- Simple one-button design eliminates confusion and the need to learn commands.

Disk storage:

- 860K bytes (per drive) formatted storage.
- 1.4M bytes (per drive) unformatted capacity.
- 62.5 tracks/inch.
- 10,000 bits/inch.
- Automatic disk eject.
- Smart interface with 6504 processor.

Main processor:

- MC68000 32/16-bit CPU
 - 32-bit internal architecture.
 - 16-bit external data path.
 - Seven levels of interrupts.

Real-time clock:

- Software system on-off control.
- Interval and event timing.
- COPS processor, battery backup.

Main memory:

- 16K bytes of boot ROM.
- Up to 1M bytes RAM.
- Parity error detection.

Memory management:

- Permits operating system to relocate segments in memory.
- Provides access controls for block memory.
- Segmentation into 128 variable-length blocks.

Communications interface:

- Two serial ports
 - SCC controller.
 - programmable.
 - full-function.
- RS-232 with full-duplex channels.

- Full modem control and ring indicator on one channel.
- Baud rates software-programmable.
- One parallel port
 - 8-bit bidirectional.
 - handshake control.

Audio output:

- Built-in speaker with software-controllable tone generator.

Expansion board slots:

- Three slots.
- Zero insertion-force connectors.
- Direct connection to system bus.
- DMA capability.
- Memory-mapped I/O.
- Vector interrupt capability.
- Direct connection of power supply:
 - digital ground.
 - +5V, -5V, +12V, -12V.
 - allows up to 10W total (maximum rating) for all three cards.
 - +5V standby (at 58 mA) per board.

Weight and dimensions:

- Computer console:
 - Weight: 48 lb. (22 kg).
 - Height: 13.8 in. (350 mm).
 - Width: 18.7 in. (475 mm).
 - Depth: 15.2 in. (388 mm) [16 in. (403 mm) with keyboard under front].
- Keyboard:
 - Weight: 4 lb. (1.8 kg).
 - Height: 2.7 in. (68 mm).
 - Width: 18.7 in. (475 mm).
 - Depth: 6.5 in. (165 mm).

Power requirements:

- 115 or 230 V. AC.
- 48 to 68 Hz.
- 270 W (maximum).

Environmental requirements:

- Ambient temperature: 40°–108° F (5°–42° C).
- Relative humidity: 15–80%, noncondensing.

Applications:

- LisaCalc (spreadsheet modeling), LisaList (list management), LisaProject (project scheduling), LisaWrite (word processing), LisaGraph (business graphics), LisaDraw (graphics editor), LisaTerminal (terminal emulation).

Languages and development environment:

- BASIC, Pascal, COBOL, Lisa Editor, Assembler, Linker, Debugger, and a wide range of utilities.

Communications:

- 3270 BSC.

System expansion:

- Apple Dot Matrix Printer, Apple Daisy Wheel Printer, Apple ProFile (5MB hard-disk storage device), Modem, 2-port parallel card, and AppleNet Local Area Network (Ethernet connections available for Apple products).

Apple/U.S.

Apple Computer, Inc.
20525 Mariani Avenue
Cupertino, California 95014
(408) 996-1010
TLX 471-576

Apple/U.K.

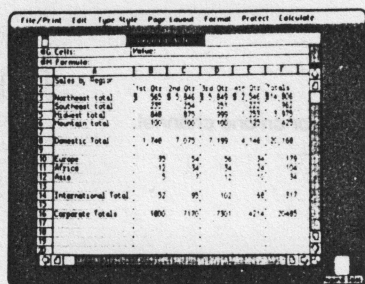
Apple Computer Ltd.
Finway Road
Hemel Hempstead
Herts HP2 7PS
England
011-44-442-48151
TLX 851-825554

Apple/Europe

Apple Computer International
5/7 rue de Chartres
92200 Neuilly-sur-Seine
France
011-33-1-624-21-13
TLX 842-630296

Apple/Canada

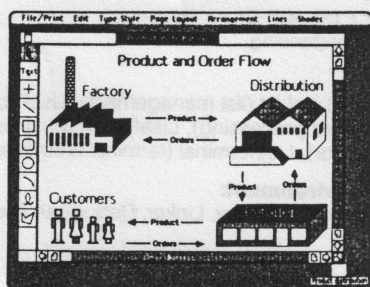
Apple Canada
875 Don Mills Road
Don Mills
Ontario, Canada M3C 1V9
(416) 444-2531
800-268-7637
TLX 06-986561



LisaCalc

From budgets to forecasts to technical models, LisaCalc helps you with all kinds of calculations and analyses. Put your numbers and formulas in the displayed columns-and-rows spreadsheet and LisaCalc does the rest. You can calculate—and instantly recalculate—intricate problems to quickly find answers you need.

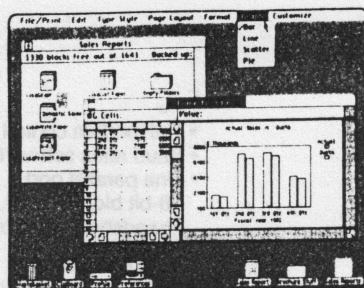
LisaCalc's spreadsheet format is big enough to handle the largest projects—255 columns by 255 rows. At the same time, LisaCalc calculates to 15 digits to provide the most precise data. Any column can display data in 10 different formats and be quickly expanded, contracted, and repositioned.



LisaDraw

With the right pictures, reports and presentations become shorter, clearer, easier to prepare, and far easier to understand. LisaDraw helps you do all that. And it's easier to use than a pencil and paper.

LisaDraw actually lets you draw perfect flow charts, technical diagrams, designs, maps—almost any illustration your work requires. LisaDraw lets you use the mouse to assemble lines, rectangles, circles, and much more, in any size and combination. You can even draw freehand.

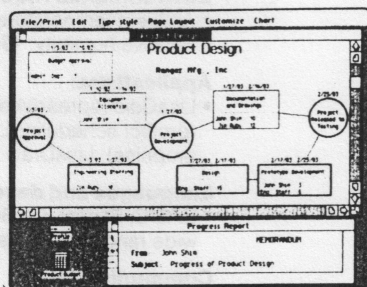


LisaGraph

LisaGraph turns complex data into easy-to-understand graphs.

Unlike other graphics programs, LisaGraph lets you see both graph and data at the same time. On the screen, a spreadsheet is displayed next to the graph. When you enter numbers in the spreadsheet, LisaGraph plots them automatically. LisaGraph makes five kinds of graphs—bar, line, mixed bar/line, pie, and scatter. It also plots up to seven data sets on a single graph.

LisaGraph automatically plots whole blocks of data when you cut and paste numbers from LisaCalc. In turn, graphs can be cut and pasted into LisaDraw for extensive graphic customization.

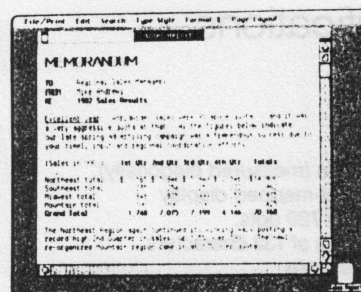


LisaProject

At last there's a tool that helps you manage complex project schedules and ask important "what if" questions about time and resources.

Modeled on the PERT project management technique, LisaProject automatically keeps track of the complicated interdependencies within large projects.

LisaProject lets you use the mouse to chart a project's critical path. When you change deadlines and resources, LisaProject automatically recalculates the entire project. You see immediately what effects those changes will make.



LisaWrite

LisaWrite gives you responsive, personal word processing for everything from the shortest memos to the longest reports. With the preview feature, you can review final line spacing, page breaks, headers and footers, and more before you print a document. Perfect final drafts are routine because what you see on the screen is exactly what you get on paper.

Editing is extremely fast and easy and can be done with the mouse or the keyboard. Special features are easy to use, too. Using the mouse, you can create bold, italic, and underlined text in a wide variety of sizes and typestyles.

Name	Address	Phone Number	Date of Birth
Agnes, Mary	123 Main St.	555-1234	11/01/78
Agnes, John	456 Elm St.	555-5678	11/01/78
Anderson, Michael	789 Oak St.	555-9012	11/01/82
Brown, John	101 Pine St.	555-3456	11/01/78
Chen, David	202 Cedar St.	555-7890	11/01/82
Chen, David	303 Birch St.	555-2345	11/01/82
Cunningham, David	404 Maple St.	555-6789	11/01/82
Davis, Bob	505 Elm St.	555-1234	11/01/82
Davis, Bob	606 Oak St.	555-5678	11/01/82
Davis, Bob	707 Pine St.	555-9012	11/01/82
Davis, Bob	808 Cedar St.	555-3456	11/01/82
Davis, Bob	909 Birch St.	555-7890	11/01/82
Davis, Bob	1010 Maple St.	555-2345	11/01/82
Davis, Bob	1111 Elm St.	555-6789	11/01/82
Davis, Bob	1212 Oak St.	555-1234	11/01/82
Davis, Bob	1313 Pine St.	555-5678	11/01/82
Davis, Bob	1414 Cedar St.	555-9012	11/01/82
Davis, Bob	1515 Birch St.	555-3456	11/01/82
Davis, Bob	1616 Maple St.	555-7890	11/01/82
Davis, Bob	1717 Elm St.	555-2345	11/01/82
Davis, Bob	1818 Oak St.	555-6789	11/01/82
Davis, Bob	1919 Pine St.	555-1234	11/01/82
Davis, Bob	2020 Cedar St.	555-5678	11/01/82

LisaList

Client lists, competitive product information, job candidate data, and other records are packed with useful information—if you can extract it. With LisaList, you can.

Using LisaList, you can instantly search and sort any list for the information you need. LisaList makes it simple, too, because it's all done with the mouse. Columns can be added or deleted, expanded or narrowed, repositioned and even displayed or hidden at any time without re-entering data.

Professional Computer Centre

IBM PC XT

- 512K BYTES RAM
- 10 MEGABYTE HARD DISK
- 360K BYTE FLOPPY DRIVE
- COLOR/GRAPHICS ADAPTER
- COLOR MONITOR
- IBM GRAPHICS PRINTER
- PRINTER CARD & CABLE
- DOS 2.0
- VISICALC ADVANCED
- VISIWORD
- VISISCHEDULE
- VISIFILE
- VISITREND/PLOT

\$ 14,457.00

LISA

- 1 MEGABYTE RAM
- DUAL 860K BYTE FLOPPY DRIVES
- 5 MEGABYTE HARD DISK
- 32/16 BIT PROCESSOR
- APPLE DOT MATRIX PRINTER
- LISAWRITE
- LISADRAW
- LISACALC
- LISALIST
- LISAPROJECT
- LISAGRAPH

\$ 11,995.00

FEATURES

POWERFUL BUT NOT EASILY
INTEGRATED SOFTWARE

16/8 BIT TECHNOLOGY

TRADITIONAL LENGTHY
LEARNING PERIOD

STATE OF THE ART TECHNOLOGY

TOTALLY INTEGRATED SOFTWARE

EXTREMELY EASY TO LEARN

INCREASED PRODUCTIVITY DUE TO
DRAMATICALLY REDUCED LEARNING TIME

USER INTERFACE - MOUSE

32/16 BIT TECHNOLOGY

Selected Lisa Products Under Development

(permission granted for citing applications)

Accounting (multi-user)
Accounting (single-user)
Agricultural Accounting
Architectural CAD
Business Graphics
Business Statistics
Calendar
Decision Support Systems
Drafting Database
Electronic Mail
Energy Analysis
Estate Tax Planning
Financial Database
FORTRAN
Lisacalc Templates
Lisadraw Templates
Network Communications
Personal Database
Personal Tax Planning
Phototypesetting
Professional Tax Planning
Relational DBMS
Relationship Banking System
Stock Portfolio Management
Strategic Planning System
Terminal Emulators
Unix
Word Processing